

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): One or more processor-readable media having stored thereon processor-readable code including a A database of face print image data corresponding to detected face regions within images acquired with an image acquisition device and digitally-stored and digitally-embedded within one or more digital storage media, wherein the face print image data are stored within the media for access by a processor comprises comprising:

(a) an image data component including acquired digital image data including content data and unique identifiers corresponding to individual acquired digital images or face regions therein, or both;

(b) an identity data component including an identification listing of known identities to which identified face regions detected within the acquired digital image data have been determined to correspond; and

(c) a face recognition data component, comprising for an individual known identity:

(i) an appearance table including one or more identity entries for the known identity;

(ii) one or more identity tables corresponding to the one or more identity entries in the appearance table; and

(iii) one or more face class tables corresponding to one or more face class entries of the one or more identity tables, wherein each face class table comprises one or more face print image entries corresponding to faceprints determined from normalized face regions identified within the acquired digital image, and

(d) wherein the normalized face regions comprise spatially normalized face regions, which are normalized with respect to size, orientation or pose, or luminance normalized face regions, or combinations thereof.

Claim 2 (currently amended): The one or more processor-readable media database of claim 1, wherein the image data component further comprises an image list of the acquired digital image data.

Claim 3 (currently amended): The one or more processor-readable media database of claim 2, wherein at least one group of image data comprises a face region list including one or more entries each corresponding to an identified face candidate region within an at least one of the acquired digital images image.

Claim 4 (currently amended): The one or more processor-readable media database of claim 3, wherein the face region list further including includes one or more links, corresponding to the one or more entries, to one or more known identities within the identification listing of the identity data component.

Claim 5 (currently amended): The one or more processor-readable media database of claim 2, wherein the image data component further comprises multiple tables of image classification categories to which the image data are determined to belong.

Claim 6 (currently amended): The one or more processor-readable media database of claim 5, wherein the image data component further comprises a set of database links to the tables of image classification categories.

Claim 7 (currently amended): The one or more processor-readable media database of claim 1, wherein the known identities correspond to handles identifying a known person.

Claim 8 (currently amended): The one or more processor-readable media database of claim 1, wherein the identity data component further comprises database links to face recognition data of the face recognition component.

Claim 9 (currently amended): The one or more processor-readable media database of claim 1, wherein the identity data component further comprises one or more database links to personal data associated with one or more known identities.

Claim 10 (currently amended): The one or more processor-readable media database of claim 9, wherein the identity data component comprises a table of personal data associated with a the one or more known identities identity.

Claim 11 (currently amended): The one or more processor-readable media database of claim 10, wherein the identity data component further comprises a set of links to a relationship list or a group membership list or both.

Claim 12 (currently amended): The one or more processor-readable media database of claim 1, wherein each identity table comprises one or more face class entries each defined by values of one or more face classifier parameters.

Claim 13 (currently amended): The one or more processor-readable media database of claim 12, wherein at least two identity entries are characterized separately due to at least one distinguishing appearance characteristic.

Claim 14 (currently amended): The one or more processor-readable media database of claim 13, wherein the appearance characteristic is distinguished as determined from a sufficient difference in value of at least one face classifier parameter between faceprints and associated normalized face regions determined to correspond to the same known identity, or based on user input, or both

Claim 15 (currently amended): The one or more processor-readable media database of claim 1, wherein the appearance table comprises a list of links to one or more identity tables associated with distinct appearances determined for the known identity.

Claim 16 (currently amended): The one or more processor-readable media database of claim 15, wherein the one or more identity tables further comprise one or more links corresponding to the one or more face class tables.

Claim 17 (currently amended): One or more processor-readable media having stored thereon processor-readable code including a A database of face print image data corresponding to detected face regions within images acquired with an image acquisition device and digitally-stored and digitally-embedded within one or more digital storage media, wherein the face print image data are stored within the media for access by a processor comprises comprising:

(a) an image data component including acquired digital image, or a pointer to the location of said image, and additional data associated with said image including content data and unique identifiers corresponding to the acquired digital images or face regions therein, or both, and wherein the image data component further comprises an image list of the acquired digital image data;

(b) an identity data component including an identification listing of known identities to which identified face regions detected within the acquired digital image data have been determined to correspond; and

(c) a face recognition data component, comprising for an individual known identity:

(i) one or more identity tables corresponding to one or more identity entries; and

(ii) one or more face class tables corresponding to one or more face class entries of the one or more identity tables, wherein each face class table comprises one or more faceprint entries corresponding to normalized face regions determined from the acquired digital image, and

(d) wherein the normalized face regions comprise spatially normalized face regions, which are normalized with respect to size, orientation or pose, or luminance normalized face regions, or combinations thereof.

Claim 18 (currently amended): The one or more processor-readable media database of claim 17, wherein the one or more groups of image data further include image metadata including acquisition device specific information or anthropometrical information associated with conditions of acquisition or normalization, or both, of a face region corresponding to a group of image data and its associated parent image.

Claim 19 (currently amended): The one or more processor-readable media database of claim 18, wherein the image metadata information comprises a said focal length of a lens coupled with a digital camera at time of image acquisition, focusing distance of the lens at time of acquisition, or effective digital camera sensor size, or combinations thereof.

Claim 20 (currently amended): The one or more processor-readable media database of claim 17, wherein the one or more image data groups further include additional image data associated with circumstances of acquisition of a parent image and associated face region corresponding to a group of image data.

Claim 21 (currently amended): The one or more processor-readable media database of claim 20, the circumstances comprising location of image acquisition, date and time of image acquisition, type of image acquisition device, or any post-capture image processing including red eye correction or luminance correction, or combinations thereof.

Claim 22 (currently amended): The one or more processor-readable media database of claim 17, wherein at least one group of image data comprises a face region list including one or more entries each corresponding to an identified face candidate region within ~~an~~ at least one of the acquired digital image.

Claim 23 (currently amended): The one or more processor-readable media database of claim 22, the face region list further including one or more links, corresponding to the one or more entries, to one or more known identities within the identification listing of the identity data component.

Claim 24 (currently amended): The one or more processor-readable media database of claim 17, wherein the image data component further comprises multiple tables of image classification categories to which the image data are determined to belong.

Claim 25 (currently amended): The one or more processor-readable media database of claim 24, wherein the image data component further comprises a set of database links to the tables of image classification categories.

Claim 26 (currently amended): The one or more processor-readable media database of claim 17, wherein the known identities correspond to handles identifying a known person.

Claim 27 (currently amended): The one or more processor-readable media database of claim 17, wherein the identity data component further comprises database links to face recognition data of the face recognition component.

Claim 28 (currently amended): The one or more processor-readable media database of claim 17, wherein the identity data component further comprises one or more database links to personal data associated with one or more known identities.

Claim 29 (currently amended): The one or more processor-readable media database of claim 17, wherein the identity data component comprises a table of personal data associated with a at least one of the known identities identity.

Claim 30 (currently amended): The one or more processor-readable media database of claim 29, wherein the personal data comprises full name, one or more addresses, one or more phone numbers, one or more email addresses, or one or more web addresses, or combinations thereof.

Claim 31 (currently amended): The one or more processor-readable media database of claim 29, wherein the identity data component further comprises a set of links to a relationship list or a group membership list or both.

Claim 32 (currently amended): The one or more processor-readable media database of claim 31, wherein the relationship list comprises data on

relationships between the known identity and other identities named within the database, and wherein the group membership list comprises data on grouping of known identities based on family ties, hobbies, interests, group memberships, interpersonal relationships, or combinations thereof.

Claim 33 (currently amended): The one or more processor-readable media database of claim 17, wherein each identity table comprises one or more face class entries each defined by values of one or more face classifier parameters.

Claim 34 (currently amended): One or more processor-readable media having stored thereon processor-readable code including a A database of face print image data corresponding to detected face regions within images acquired with an image acquisition device and digitally-stored and digitally-embedded within one or more digital storage media, wherein the face print image data are stored within the media for access by a processor comprises comprising:

- (a) an image data component including acquired digital image data including content data and unique identifiers corresponding to individual acquired digital images or face regions therein, or both;
- (b) an identity data component including an identification listing of known identities to which identified face regions detected within the acquired digital image data have been determined to correspond; and
- (c) a face recognition data component, comprising for an individual known identity:
 - (i) one or more identity tables corresponding to one or more identities, wherein each identity table comprises one or more face class entries each defined by values of one or more face classifier parameters; and
 - (ii) one or more face class tables corresponding to the one or more face class entries of the one or more identity tables, wherein each face class

table comprises one or more face print image entries corresponding to faceprints from the acquired digital image data, and

(d) wherein the identified face regions comprise spatially normalized face regions, which are normalized with respect to size, orientation or pose, or luminance normalized face regions, or combinations thereof.

Claim 35 (currently amended): The one or more processor-readable media database of claim 34, wherein the image data component further comprises an image list of the acquired digital image data.

Claim 36 (currently amended): The one or more processor-readable media database of claim 34, wherein the known identities correspond to handles identifying a known person.

Claim 37 (currently amended): The one or more processor-readable media database of claim 34, wherein the identity data component further comprises database links to face recognition data of the face recognition component.

Claim 38 (currently amended): The one or more processor-readable media database of claim 34, wherein the identity data component further comprises one or more database links to personal data associated with one or more known identities.

Claim 39 (currently amended): The one or more processor-readable media database of claim 34, wherein the identity data component comprises a table of personal data associated with a at least one of the known identities identity.

Claim 40 (currently amended): The one or more processor-readable media database of claim 39, wherein the personal data comprises full name, one or

more addresses, one or more phone numbers, one or more email addresses, or one or more web addresses, or combinations thereof.

Claim 41 (currently amended): The one or more processor-readable media database of claim 39, wherein the identity data component further comprises a set of links to a relationship list or a group membership list or both.

Claim 42 (currently amended): The one or more processor-readable media database of claim 41, wherein the relationship list comprises data on relationships between the known identity and other identities named within the database, and wherein the group membership list comprises data on grouping of known identities based on family ties, hobbies, interests, group memberships, interpersonal relationships, or combinations thereof.

Claim 43 (currently amended): The one or more processor-readable media database of claim 34, wherein at least two identity entries are characterized separately due to at least one distinguishing appearance characteristic.

Claim 44 (currently amended): The one or more processor-readable media database of claim 43, wherein the appearance characteristic is distinguished as determined from a sufficient difference in value of at least one face classifier parameter between normalized faceprints determined to correspond to the same known identity, or based on user input, or both

Claim 45 (currently amended): The one or more processor-readable media database of claim 34, wherein the appearance table comprises a list of links to one or more identity tables associated with distinct appearances determined for the known identity.

Claim 46 (currently amended): The one or more processor-readable media database of claim 34, wherein the one or more identity tables further comprise one or more links corresponding to the one or more face class tables.

Claim 47 (currently amended): The one or more processor-readable media database of claim 34, wherein the one or more face class tables comprises one or more of the previously determined value ranges of the one or more face classifier parameters.

Claim 48 (currently amended): The one or more processor-readable media database of claim 47, wherein each value range is uniquely associated with an identified and user confirmed face region detected within an acquired digital image.

Claim 49 (new): The one or more processor-readable media of claim 1, wherein said normalized face regions are normalized prior to extracting face classifier parameters therefrom.

Claim 50 (new): The one or more processor-readable media of claim 17, wherein said normalized face regions are normalized prior to extracting face classifier parameters therefrom.

Claim 51 (new): The one or more processor-readable media of claim 34, wherein said normalized face regions are normalized prior to extracting face classifier parameters therefrom.

Claim 52 (new): The one or more processor-readable media of claim 1, wherein said normalized face regions are normalized with respect to size.

Claim 53 (new): The one or more processor-readable media of claim 52, wherein said normalized face regions are normalized with respect to a standard size based on separation of eyes, nose or mouth, or combinations thereof.

Claim 54 (new): The one or more processor-readable media of claim 17, wherein said normalized face regions are normalized with respect to size.

Claim 55 (new): The one or more processor-readable media of claim 54, wherein said normalized face regions are normalized with respect to a standard size based on separation of eyes, nose or mouth, or combinations thereof.

Claim 56 (new): The one or more processor-readable media of claim 34, wherein said normalized face regions are normalized with respect to size.

Claim 57 (new): The one or more processor-readable media of claim 56, wherein said normalized face regions are normalized with respect to a standard size based on separation of eyes, nose or mouth, or combinations thereof.

Claim 58 (new): The one or more processor-readable media of claim 1, wherein said normalized face regions are first normalized with respect to pose, and then with respect to orientation, and then with respect to size.

Claim 59 (new): The one or more processor-readable media of claim 17, wherein said normalized face regions are first normalized with respect to pose, and then with respect to orientation, and then with respect to size.

Claim 60 (new): The one or more processor-readable media of claim 34, wherein said normalized face regions are first normalized with respect to pose, and then with respect to orientation, and then with respect to size.